Author Index to Volume 24

Aber, J. D.: See Peterson, D. L.

Adams, S.: See Conel, J. E.

Alley, R. E.: See Conel, J. E.

Ammer, U.: See Herrmann, K.

Asrar, G., Harris, T. R., Lapitan, R. L., and Cooper, D. I.: Radiative Surface Temperatures of the Burned and Unburned Areas in a Tallgrass Prairie, 447

Becker, F. and Choudhury, B. J.: Relative Sensitivity of Normalized Difference Vegetation Index (NDVI) and Microwave Polarization Difference Index (MPDI) for Vegetation and Desertification Monitoring, 297

Card, D. H.: See Peterson, D. L.

Chang, A.: See Owe, M.

Charbonneau, L.: See Royer, A.

Chavez, P. S. Jr.: An Improved Dark-Object Subtraction Technique for Atmospheric Scattering Correction of Multispectral Data, 459

Choudhury, B. J.: See Becker, F.

Conel, J. E., Adams, S., Alley, R. E., Hoover, G., and Schultz, S.: AIS Radiometry and the Problem of Contamination from Mixed Spectral Orders, 179

Congalton, R. G.: See Pierce, L. L.

Cooper, D. I.: See Asrar, G.

Curran, P. J.: The Semivariogram in Remote Sensing: An Introduction, 493

Feldman, S. C. and Taranik, J. V.: Comparison of Techniques for Discriminating Hydrothermal Alteration Minerals with Airborne Imaging Spectrometer Data, 67

Goetz, A. F. H.: See Vane, G.

Golus, R. E.: See Owe, M.

Goward, S. N.: See Petzold, D. E.

Harris, T. R.: See Asrar, G.

Herrmann, K., Rock, B. N., Ammer, U., and Paley,
H. N.: Preliminary Assessment of Airborne Imaging Spectrometer and Airborne Thematic Mapper
Data Acquired for Forest Decline Areas in the Federal Republic of Germany, 129

Hoover, G.: See Conel, J. E.

Hope, A. S.: Estimation of Wheat Canopy Resistance Using Combined Remotely Sensed Spectral Reflectance and Thermal Observations, 369

Hoshizaki, T.: See Rock, B. N.

Hutsinpillar, A.: Discrimination of Hydrothermal Alteration Mineral Assemblages at Virginia City, Nevada, Using the Airborne Imaging Spectrometer, 53

Justus, C. G.: See Paris, M. V.

Krabill, W.: See Nelson, R.

Kruse, F. A.: Use of Airborne Imaging Spectrometer Data to Map Minerals Associated with Hydrothermally Altered Rocks in the Northern Grapevine Mountains, Nevada, and California, 31

Lapitan, R. L.: See Asrar, G.

Lee, M.: See Mazer, A. S.

Leshkevich, G. A.: Giniometric Measurements of a Spray-Painted Barium Sulfate Reference Panel, 287

Marshak, A. L.: See Ross, J. K.

Martin, M.: See Mazer, A. S.

Masuda, K., Takashima, T., and Takayama, Y.: Emissivity of Pure and Sea Waters for the Model Sea Surface in the Infrared Window Regions, 313

Matson, P. A.: See Peterson, D. L.

Mazer, A. S., Martin, M., Lee, M., and Solomon, J. E.: Image Processing Software for Imaging Spectrometry Data Analysis, 201

Miller, J. R.: See Rock, B. N.

Mustard, J. F.: See Pieters, C. M.

Nelson, R., Krabill, W., and Tonelli, J.: Estimating Forest Biomass and Volume Using Airborne Laser Data, 247

Nemani, R. R.: See Running, S. W.

Owe, M., Chang, A., and Golus, R. E.: Estimating Surface Soil Moisture from Satellite Microwave Measurements and a Satellite Derived Vegetation Index, 331

Paley, H. N.: See Herrmann, K.

Paris, M. V. and Justus, C. G.: A Cloudy-Sky Radiative Transfer Model Suitable for Calibration of Satellite Sensors, 269

Peterson, D. L., Aber, J. D., Matson, P. A., Card,
D. H., Swanberg, N., Wessman, C., and Spanner,
M.: Remote Sensing of Forest Canopy and Leaf
Biochemical Contents, 85

Petzold, D. E. and Goward, S. N.: Reflectance Spectra of Subarctic Lichens, 481

Pierce, L. L. and Congalton, R. G.: A Methodology for Mapping Forest Latent Flux Heat Densities Using Remote Sensing, 405

Pieters, C. M. and Mustard, J. F.: Exploration of Crustal/Mantle Material for the Earth and Moon Using Reflectance Spectroscopy, 151

Price, J. C.: An Update on Visible and Near Infrared Calibration of Satellite Instruments, 419

Rock, B. N.: See Herrmann, K.

Rock, B. N., Hoshizaki, T., and Miller, J. R.: Comparison of In Situ and Airborne Spectral Measurements of the Blue Shift Associated with Forest Decline, 109

Rock, B. N.: See Vogelmann, J. E.

Ross, J. K. and Marshak, A. L.: Calculation of Canopy Bidirectional Reflectance Using the Monte Carlo Method, 213

Royer, A., Charbonneau, L., and Teillet, P. M.: Interannual Landsat-MSS Reflectance Variation in an Urbanized Temperate Zone, 423

Running, S. W. and Nemani, R. R.: Relating Seasonal Patterns of the AVHRR Vegetation Index to Simulated Photosynthesis and Transpiration of Forests in Different Climates, 347

Schultz, S.: See Conel, J. E.

Singh, S. M.: Brightness Temperature Algorithms for Landsat Thematic Mapper Data, 508

Solomon, J. E.: See Mazer, A. S.

Spanner, M.: See Peterson, D. L.

Stumpf, R. P. and Tyler, M. A.: Satellite Detection of Bloom and Pigment Distributions in Estuaries, 385

Swanberg, N.: See Peterson, D. L.

Takashima, T.: See Masuda, K.

Takayama, Y.: See Masuda, K.

Taranik, J. V.: See Feldman, S. C.

Teillet, P. M.: See Royer, A.

Tonelli, J.: See Nelson, R.

Tyler, M. A.: See Stumpf, R. P.

Vane, G., and Goetz, A. F. H.: Terrestrial Imaging Spectroscopy, 1

Vogelmann, J. E. and Rock, B. N.: Assessing Forest Damage in High-Elevation Coniferous Forests in Vermont and New Hampshire Using Thematic Mapper Data, 227

Wessman, C.: See Peterson, D. L.

Subject Index to Volume 24

Atmospheric Correction

A Cloudy-Sky Radiative Transfer Model Suitable for Calibration of Satellite Sensors, M. V. Paris and C. G. Justus, 269

An Improved Dark-Object Subtraction Technique for Atmospheric Scattering Correction of Multispectral Data, P. S. Chavez, Jr., 459

AVHRR

Relative Sensitivity of Normalized Difference Vegetation Index (NDVI) and Microwave Polarization Difference Index (MPDI) for Vegetation and Desertification Monitoring, F. Becker and B. J. Choudhury, 297

Estimating Surface Soil Moisture from Satellite Microwave Measurements and a Satellite Derived Vegetation Index, M. Owe, A. Chang, and R. E. Golus, 331

Relating Seasonal Patterns of the AVHRR Vegetation Index to Simulated Photosynthesis and Transpiration of Forests in Different Climates, S. W. Running and R. R. Nemani, 347

Satellite Detection of Bloom and Pigment Distributions in Estuaries, R. P. Stumpf and M. A. Tyler, 385

Estuaries

Satellite Detection of Bloom and Pigment Distributions in Estuaries, R. P. Stumpf and M. A. Tyler, 385

Emissivity

Emissivity of Pure and Sea Waters for the Model Sea Surface in the Infrared Window Regions, K. Masuda, T. Takashima, and Y. Takayama, 313

Forest Spectra

Remote Sensing of Forest Canopy and Leaf Biochemical Contents, D. L. Peterson, J. D. Aber, P. A. Matson, D. H. Card, N. Swanberg, C. Wessman, and M. Spanner, 85

Comparison of In Situ and Airborne Spectral Measurements of the Blue Shift Associated with Forest Decline, B. N. Rock, T. Hoshizaki, and J. R. Miller, 109

Preliminary Assessment of Airborne Imaging Spectrometer and Airborne Thematic Mapper Data Acquired for Forest Decline Areas in the Federal Republic of Germany, K. Herrmann, B. N. Rock, U. Ammer, and H. N. Paley, 129

Assessing Forest Damage in High-Elevation Coniferous Forests in Vermont and New Hampshire Using Thematic Mapper Data, J. E. Vogelmann and B. N. Rock, 227

Estimating Forest Biomass and Volume Using Airborne Laser Data, R. Nelson, W. Krabill and J. Tonelli, 247

A Methodology for Mapping Forest Latent Flux Heat Densities Using Remote Sensing, L. L. Pierce and R. G. Congalton, 405

Image Processing

Image Processing Software for Imaging Spectrometry Data Analysis, A. S. Mazer, M. Martin, M. Lee, and J. E. Solomon, 201

Image Spectrometry

Terrestrial Imaging Spectroscopy, G. Vane and A. F. H. Goetz, 1

Use of Airborne Imaging Spectrometer Data to Map Minerals Associated with Hydrothermally Altered Rocks in the Northern Grapevine Mountains, Nevada, and California, F. A. Kruse, 31

Discrimination of Hydrothermal Alteration Mineral Assemblages at Virginia City, Nevada, Using the Airborne Imaging Spectrometer, A. Hutsinpillar, 53

Comparison of Techniques for Discriminating Hydrothermal Alteration Minerals with Airborne Imaging Spectrometer Data, S. C. Feldman and J. V. Taranik, 67

Remote Sensing of Forest Canopy and Leaf Biochemical Contents, D. L. Peterson, J. D. Aber, P. A. Matson, D. H. Card, N. Swanberg, C. Wessman, and M. Spanner, 85

Comparison of In Situ and Airborne Spectral Measurements of the Blue Shift Associated with Forest Decline, B. N. Rock, T. Hoshizaki, and J. R. Miller, 109

Preliminary Assessment of Airborne Imaging Spectrometer and Airborne Thematic Mapper Data Acquired for Forest Decline Areas in the Federal Republic of Germany, K. Herrmann, B. N. Rock, U. Ammer, and H. N. Paley, 129

Exploration of Crustal/Mantle Material for the Earth and Moon Using Reflectance Spectroscopy, C. M. Pieters and J. F. Mustard, 151

AIS Radiometry and the Problem of Contamination from Mixed Spectral Orders, J. E. Conel, S. Adams, R. E. Alley, G. Hoover, and S. Schultz, 179

Image Processing Software for Imaging Spectrometry Data Analysis, A. S. Mazer, M. Martin, M. Lee, and J. E. Solomon, 201

Laser Profiles

Estimating Forest Biomass and Volume Using Airborne Laser Data, R. Nelson, W. Krabill and J. Tonelli, 247

Microwave Measurements

Relative Sensitivity of Normalized Difference Vegetation Index (NDVI) and Microwave Polarization Difference Index (MPDI) for Vegetation and Desertification Monitoring, F. Becker and B. J. Choudhury, 297

Mineral Identification

Use of Airborne Imaging Spectrometer Data to Map Minerals Associated with Hydrothermally Altered Rocks in the Northern Grapevine Mountains, Nevada, and California, F. A. Kruse, 31

Discrimination of Hydrothermal Alteration Mineral Assemblages at Virginia City, Nevada, Using the Airborne Imaging Spectrometer, A. Hutsinpillar, 53 Comparison of Techniques for Discriminating Hydrothermal Alteration Minerals with Airborne Imaging Spectrometer Data, S. C. Feldman and J. V. Taranik, 67

Exploration of Crustal/Mantle Material for the Earth and Moon Using Reflectance Spectroscopy, C. M. Pieters and J. F. Mustard, 151

Mixed Pixel Analysis

AIS Radiometry and the Problem of Contamination from Mixed Spectral Orders, J. E. Conel, S. Adams, R. E. Hoover, and S. Schultz, 179

Radiometric Calibration

A Cloudy-Sky Radiative Transfer Model Suitable for Calibration of Satellite Sensors, M. V. Paris and C. G. Justus, 269

Goniometric Measurements of a Spray-Painted Barium Sulfate Reference Panel, G. A. Leshkevich, 287

An Update on Visible and Near Infrared Calibration of Satellite Instruments, J. C. Price, 419

An Improved Dark-Object Subtraction Technique for Atmospheric Scattering Correction of Multispectral Data, P. S. Chavez, Jr., 459

Radiation Modeling

Calculation of Canopy Bidirectional Reflectance Using the Monte Carlo Method, J. K. Ross and A. L. Marshak, 213

Reflectance of Vegetation

Comparison of In Situ and Airborne Spectral Measurements of the Blue Shift Associated with Forest Decline, B. N. Rock, T. Hoshizaki, and J. R. Miller, 109

Calculation of Canopy Bidirectional Reflectance Using the Monte Carlo Method, J. K. Ross and A. L. Marshak, 213

Estimation of Wheat Canopy Resistance Using Combined Remotely Sensed Spectral Reflectance and Thermal Observations, A. S. Hope, 369

Reflectance Spectra of Subarctic Lichens, D. E. Petzold and S. N. Goward, 481

Semivariograms

The Semivariogram in Remote Sensing: An Introduction, P. J. Curran, 493

Soil Moisture

Estimating Surface Soil Moisture from Satellite Microwave Measurements and a Satellite Derived Vegetation Index, M. Owe, A. Chang, and R. E. Golus, 331

Spatial Information

The Semivariogram in Remote Sensing: An Introduction, P. J. Curran, 400

Temperature

Estimation of Wheat Canopy Resistance Using Combined Remotely Sensed Spectral Reflectance and Thermal Observations, A. S. Hope, 369

A Methodology for Mapping Forest Latent Flux Heat Densities Using Remote Sensing, L. L. Pierce and R. G. Congalton, 405

Radiative Surface Temperatures of the Burned and Unburned Areas in a Tallgrass Prairie, G. Asrar, T. R. Harris, R. L. Lapitan and D. I. Cooper, 447 Brightness Temperature Algorithms for Landsat Thematic Mapper Data, S. M. Singh, 508

Thematic Mapper

Assessing Forest Damage in High-Elevation Coniferous Forests in Vermont and New Hampshire Using Thematic Mapper Data, J. E. Vogelmann and B. N. Rock, 227

A Methodology for Mapping Forest Latent Flux Heat Densities Using Remote Sensing, L. L. Pierce and R. G. Congalton, 405

An Improved Dark-Object Subtraction Technique for Atmospheric Scattering Correction of Multispectral Data, P. S. Chavez, Jr., 459

Brightness Temperature Algorithms for Landsat Thematic Mapper Data, S. M. Singh, 508

Vegetation Monitoring

Remote Sensing of Forest Canopy and Leaf Biochemical Contents, D. L. Peterson, J. D. Aber, P. A. Matson, D. H. Card, N. Swanberg, C. Wessman and M. Spanner, 85

Comparison of In Situ and Airborne Spectral Measurements of the Blue Shift Associated with Forest Decline, B. N. Rock, T. Hoshizaki and J. R. Miller, 109

Preliminary Assessment of Airborne Imaging Spectrometer and Airborne Thematic Mapper Data Acquired for Forest Decline Areas in the Federal Republic of Germany, K. Herrmann, B. N. Rock, U. Ammer, and H. N. Paley, 129

Assessing Forest Damage in High-Elevation Coniferous Forests in Vermont and New Hampshire Using Thematic Mapper Data, J. E. Vogelmann and B. N. Rock, 227

Estimating Forest Biomass and Volume Using Airborne Laser Data, R. Nelson, W. Krabill and J. Tonelli, 247

Relating Seasonal Patterns of the AVHRR Vegetation Index to Simulated Photosynthesis and Transpiration of Forests in Different Climates, S. W. Running and R. R. Nemani, 347

Estimation of Wheat Canopy Resistance Using Combined Remotely Sensed Spectral Reflectance and Thermal Observations, A. S. Hope, 369

Urban Analysis

Interannual Landsat-MSS Reflectance Variation in an Urbanized Temperate Zone, A. Royer, L. Charbonneau, and P. M. Teillet, 423

Water Turbidity

Satellite Detection of Bloom and Pigment Distributions in Estuaries, R. P. Stumpf and M. A. Tyler, 385